

Title (en)  
A latch mechanism

Title (de)  
Verriegelungsvorrichtung

Title (fr)  
Mécanisme de verrouillage

Publication  
**EP 1130201 A2 20010905 (EN)**

Application  
**EP 01301205 A 20010212**

Priority  
GB 0003688 A 20000218

Abstract (en)  
A vehicle door latch mechanism (10) including the following safety critical structural components:- a) A latch bolt (14), the latch bolt having a closed condition at which it is capable of retaining a striker and an open condition at which it is capable of releasing the striker, b) A pawl (16), the pawl in use releasably securing a latch bolt in its closed condition, and c) A retention plate (16), the retention plate having at least one of :- i) A mouth (24), the mouth co-operating with the retention means of the latch mechanism to releasably retain the striker in the mouth; ii) A pivot pin hole (26, 28) defining a pivot pin hole surface for a pivot pin, the pivot pin being secured to the retention plate in the hole or being pivotally mounted in the hole; and iii) Fixing means (30, 31, 32) for fixing the latch mechanism in its operating position; the latch bolt, pawl and retention plate co-operating in use to releasably retain a striker. In which at least one of the said safety critical structural components is made from a plurality of structural laminations (20, 21: 45, 46, 47: 60, 61, 62) of material <IMAGE> <IMAGE> <IMAGE>

IPC 1-7  
**E05B 65/32**; **E05B 15/10**; **E05B 9/00**; **E05B 15/16**

IPC 8 full level  
**E05B 65/12** (2006.01); **E05B 65/32** (2006.01)

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**E05B 77/10** (2013.01 - EP US); **E05B 85/26** (2013.01 - EP US); **E05B 85/02** (2013.01 - EP US); **Y10T 292/1047** (2015.04 - EP US)

Cited by  
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